UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/493,083	01/28/2000	Takuya Kakehashi	862.C1807	1764

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EXAMINER
TRAN, QUOC A

ART UNIT	PAPER NUMBER
2176	7

DATE MAILED: 03/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/493,083	KAKEHASHI, TAKUYA
	Examiner	Art Unit	
	Quoc A. Tran	2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *17 February 2004*.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-16* is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-16* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☒ All   b)☐ Some * c)☐ None of:

   1.☒ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
   application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____ .
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

DETAILED ACTION

1.   This action is responsive to Amendment A, filed 02/17/2004.

2.   Claims 1-16 is pending. Claims 1, 6, and 11 are independent claims.

Drawings

3.   The objected to as failing to comply with 37 CFR 1.84(p)(4) because reference

characters HD 15 and HD 805 have both been used to designate HD 805, see FIG. 10.

The objection has been withdrawn since correction made.

4.   The drawings are objected to because; there is not any detailed description of

parts 31, 321, 322, 323, and 324, see FIG. 10 parts 105, 106, 107, see FIG. 13A. The

objection has been withdrawn since correction made.

5.   The drawings are objected to under 37 CFR 1.83(a) because they fail to show

the detailed description of " Edit Button Operation", see FIG. 14, as described in the

specification. The objection has been withdrawn since detail of drawing has been

included in the specification page 26, line 22 as shown by applicant.

Claim Rejections - 35 USC § 103

6.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4, 6- 9, 11-14 and 16 are rejected under 35 U.S.C. 103(a) as being
unpatentable over Ohanian (hereinafter Ohanian) (US – 6,161,115 – filed in 12-
1996), in view of Scharmer (hereinafter Scharmer) (US - 5,640,577 – filed in 12-
1991).

As to **independent claim 1**, Ohanian discloses, (a) loading, as component form
data of interest,. one of the component form data contained in the composite form data
of one page in the predetermined order (*The system can receive, read, and
reinsert a modified version into the machine-readable
composition independent of user input, even while other portions
of the editing system are responsive to user input*, see Ohanian col.
1, lines 40-43);(b) incrementing the serial number in accordance with a field of the field
attribute data contained in the component form data of interest loaded in the step (a)
(*at a position that is adjacent the portion of the timeline that
corresponds to the position of the scene*, see Ohanian col. 1, lines 62-63)
and (c) displaying the field attribute data contained in the component form data of
interest and the serial number incremented in step (b)(*the system can display
the list at a position that is adjacent the portion of the
timeline that corresponds to the position of the scene in the
timeline*, see Ohanian col.1, lines 61-63). But **Ohanian does not explicitly teach**,
form editing method of editing composite form data to be synthesized with field data,
management. However **Scharmer discloses** (*forms generation uses data
displayed at a predetermined position on a data terminal display*

screen and a data processing function selector, to automatically

retrieve a pre-established form stored in a data processing

system, see Scharmer, Abstract).

It would have been obvious to a person of ordinary skill in the art at the time the

invention was made to incorporate the method of Ohanian to display the list at a

position that is adjacent the previous portion, edit, modify, then automatically reinsert

the modified version into the machine readable composition in synchronism with the

position in the composition that the scene occupied with Scharmer's forms generation

uses data displayed. One of the ordinary skill in the art would have been motivated to

perform such a modification, because, ***Many users of data processing systems are***

often required to fill or send out forms or letters during or after one or more data

processing transactions. For example, a bank service division handling credit

card operations will handle tasks such as credit card security, including spotting

fraudulently used or stolen credit cards, customer reports of lost or stolen credit

cards, customer inquiries regarding such credit cards, and replacement card

requests, see Scharmer col. 1, lines 12-20, and also, ***such a system then requires***

the service representative to log off one application program before logging on to

another. This necessitates re-entry of the customer's account number and

supporting identification codes with each access to a different applications

program or host. Such a method is extremely time consuming, further ties up the

host computer resources, and often results in numerous data entry errors. This

further result in delays in processing the customer cases and an accompanying

tendency to act on incomplete or improperly compiled information, see Scharmer

col. 1, lines 54-63.

Scharmer also discloses (*The data processing system also*

includes at least one operator terminal including a data

terminal display screen and a plurality of data processing

function selectors. The operator terminal is responsive to the

selection of at least one of the data processing function

selectors, for initiating at least one computer applications

program to access at least one database. The operator terminal

further displays on the data terminal display screen at least

one computer session which includes the display of a plurality

of data fields displayed at a corresponding plurality of

predetermined data terminal display screen coordinate positions.

In the preferred embodiment, the data processing function

selectors include predetermined keyboard keys and a telephone

receiver. The data processing system stores at least one

previously entered form for use by the operator terminal. Also

included is a forms manager and coordinator which is responsive

to at least a first one of the data processing function

selectors and to at least one datum displayed in a data field at

a predetermined data terminal screen coordinate position, for

retrieving a predetermined form and displaying the form on the

data terminal screen of the operator terminal, see Scharmer col. 2,

lines 17-37); **Scharmer also discloses** (*administrator/manager first define*

one or more Smart Button.TM. keys which will serve to manage and

control the merging of data with a form, the saving and

retrieving of a form, and the display of a form on an operator

terminal screen. An example of a user definable function

selector or Smart Button.TM. command sequence is illustrated in

*Table I reproduced.. TABLE*_____

1. Save 85 (R, C, L) (Name) 2. Save 84 (R, C, L) (Address) 3.

Save 83 (R, C, L) (Transaction History) -- -- -- 4. Retrieve

Form X .sup. 5. Retrieve 85 (R, C) 6. Retrieve 84 (R, C) 7.

Retrieve 83 (R, C)..., see Scharmer col. 4, lines 50-67).

It would have been obvious to a person of ordinary skill in the art at the time the

invention was made to incorporate the method of Ohanian to display the list at a

position that is adjacent the previous portion, edit, modify, then automatically reinsert

the modified version into the machine readable composition in synchronism with the

position in the composition that the scene occupied with Scharmer's forms generation

uses data displayed. One of the ordinary skill in the art would have been motivated to

perform such a modification, because, ***Many users of data processing systems are***

often required to fill or send out forms or letters during or after one or more data

processing transactions. For example, a bank service division handling credit

card operations will handle tasks such as credit card security, including spotting

fraudulently used or stolen credit cards, customer reports of lost or stolen credit

cards, customer inquiries regarding such credit cards, and replacement card

requests, see Scharmer col. 1, lines 12-20, and also, *such a system then requires*

the service representative to log off one application program before logging on to

another. This necessitates re-entry of the customer's account number and

supporting identification codes with each access to a different applications

program or host. Such a method is extremely time consuming, further ties up the

host computer resources, and often results in numerous data entry errors. This

further result in delays in processing the customer cases and an accompanying

tendency to act on incomplete or improperly compiled information, see Scharmer

col. 1, lines 54-63.

7.   As to **dependent claim 2,** Ohanian discloses wherein attributes of the fields

uniquely ordered in a page of interest are displayed as a list. Uniquely corresponded to

the unique order in the page of interest, (*display the list at a position*

that is adjacent the portion of the timeline that corresponds to

the position of the scene in the timeline, see Ohanian col. 1, lines 60-

65).

8.   As to **dependent claim 3, Ohanian does not explicitly teach**, a component

form contained in the list is edited during display of the list, the fields in the page of

interest are reordered on the basis of the edited component form, and the list is

displayed again. However **Scharmer discloses** (*The operator terminal*

further displays on the data terminal display screen at least

one computer session which includes the display of a plurality

of data fields displayed at a corresponding plurality of

predetermined data terminal display screen coordinate positions,

see Scharmer col.2, lines 22-26).

It would have been obvious to a person of ordinary skill in the art at the time the

invention was made to incorporate the data terminal display screen at least one

computer session which includes the display of a plurality of data fields displayed at a

corresponding plurality of predetermined data terminal display screen coordinate

positions of Charmer with Ohanian method of attributes of the fields uniquely ordered in

a page of interest are displayed as a list of the page interest. One of the ordinary skill in

the art would have been motivated to perform such a modification, so that (***each host***

system is operable for simultaneously running a plurality of application programs

accessing a plurality of databases, and the operator terminals are operative for

simultaneously displaying a plurality of computer sessions, see Scharmer col.2

lines 65-69).

9.   As to **dependent claim 4, Ohanian does not explicitly teach**, when a desired

field is selected from the list and an attribute of the selected field is designated, a

component form having the selected field is displayed as an editing target. However

Scharmer discloses (*at least a first one of the data processing*

function selectors and to at least one datum displayed in a data

field at a predetermined data terminal screen coordinate

position, for retrieving a predetermined form and displaying the

form on the data terminal screen of the operator terminal, see

Scharmer col.2, lines 32-36).

It would have been obvious to a person of ordinary skill in the art at the time the

invention was made to incorporate the data processing function selectors for displayed

in a data field at a predetermined data terminal screen coordinate position, for retrieving

a predetermined form and displaying the form on the data, in which disclosed by

Scharmer with Ohanian teaching of unique order in the page displaying. One of the

ordinary skill in the art would have been motivated to perform such a modification

because, so that, the user can (***controlling communications***, see Scharmer col. 2 line

44).

10.   As to **independent claim 6** is directed to an apparatus for performing the

method of claim 1, and is similarly rejected under the same rationale.

11.   **Dependent claims 7 and 12** include the same limitations as claim 2, and are

similarly rejected under the same rationale.

12.   **Dependent claims 8 and 13** include the same limitations as claim 3, and are

similarly rejected under the same rationale.

13.   **Dependent claims 9 and 14** include the same limitations as claim 4, and are

similarly rejected under the same rationale.

14.   As to **independent claim 11** is directed to a computer program product,

implementing the method of claim 1, and is similarly rejected under the same rationale.

15.   **Dependent claim 16** is directed to a computer-readable storage medium storing

computer program product, implementing the method of claim 1 which cited above, and

is similarly rejected under the same rationale.

16.   **Claims 5, 10 and 15 are rejected under 35 U.S.C. 103(a) as being**

unpatentable over Ohanian in view of Scharmer as applied to claims 1-4, 6- 9, 11-

14 and 16 above, and further in view of Mayer et al. (hereinafter Mayer) (U. S.

4,51,900 – filed 12-1981).

17.   **Dependent claim 5,** includes the same limitations as claims 1-4, 6- 9, 11-14 and

16 that cited above; but, the combination of **Ohanian and Scharmer does not**

explicitly teach, wherein other component forms contained in the page of interest are

displayed to be distinguishable from the component form containing the selected field;

However, Mayer teaches method and apparatus for text editing displaying (*With the*

alternate embodiment of the present invention, there is no need

to switch between alternate display modes: one for displaying

true text and the other for displaying the graphic

representation. Rather, the graphic representation of a full

page of text is displayed at one portion of the display screen;

at a second portion of the display screen is displayed a small

part of the text, see col. 2, line 55 – 62).

It would have been obvious to a person of ordinary skill in the art at the time the

invention was made to incorporate the teaching of Mayer with the teaching of Ohanian

and Scharmer's data processing system. One of the ordinary skills in the art would have

been motivated to perform such a modification, so when the editing is completed *(there*

is no need to switch between alternate display modes: one for displaying true text

and the other for displaying the graphic representation. Rather, the graphic

representation of a full page of text is displayed at one portion of the display

screen; at a second portion of the display screen is displayed a small part of the

text. Selection of which portion of the representation is made by moving the

cursor symbol, which is superimposed on the graphic representation, to the

desired location of the representation, see Mayer col.3, lines 21-30).

18.   **Dependent claims 10 and 15** include the same limitations as claim 5, and are

similarly rejected under the same rationale.

Response to Argument

19.   Applicant's arguments filed 17 February 2004 have been fully considered but

they are not persuasive. In response to applicant's arguments on pages 12-15, Ohanian

or Scharmer teaches or suggests "*a component form data generation step, of*

generating component form data including a plurality of field attribute data, each field

attribute data defining an attribute of the field data", "*a form data storing step, of storing*

composite form data in a form data storage means, the composite form data containing

a plurality of the component form data generated in said component form data

generation step in a predetermined order in one page", and "*a field list display step, of*

displaying each field attribute data of a plurality of component form data, which is

contained in a page of interest of the composite form data stored in said form data

storage means, with each serial number as a list,"; applicant argues, that Claim 1 is

patentable over Ohanian and Scharmer, whether considered separately or in any

permissible combination. The examiner disagrees, the examiner recognizes that

obviousness can only be established by combining or modifying the teachings of the

prior art to produce the claimed invention where there is some teaching, suggestion, or

motivation to do so found either in the references themselves or in the knowledge

generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5

USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed.

Cir. 1992). In this case, as cited above in the rejection of claim 1 rejected under 35

U.S.C. 103(a) as being unpatentable over Ohanian (hereinafter Ohanian) (US –

6,161,115 – filed in 12-1996), in view of Scharmer (hereinafter Scharmer) (US -

5,640,577 – filed in 12-1991). It would have been obvious to a person of ordinary skill in

the art at the time the invention was made to incorporate the method of Ohanian to

display the list at a position that is adjacent the previous portion, edit, modify, then

automatically reinsert the modified version into the machine readable composition in

synchronism with the position in the composition that the scene occupied with

Scharmer's forms generation uses data displayed. One of the ordinary skill in the art

would have been motivated to perform such a modification, because,

Many users of data processing systems are often required to fill or send out forms or

letters during or after one or more data processing transactions. For example, a bank

service division handling credit card operations will handle tasks such as credit card

security, including spotting fraudulently used or stolen credit cards, customer reports of

lost or stolen credit cards, customer inquiries regarding such credit cards, and

replacement card requests, see Scharmer col. 1, lines 12-20, and also, such a system

then requires the service representative to log off one application program before

logging on to another. This necessitates re-entry of the customer's account number and

supporting identification codes with each access to a different applications program or

host. Such a method is extremely time consuming, further ties up the host computer

resources, and often results in numerous data entry errors. This further result in delays

in processing the customer cases and an accompanying tendency to act on incomplete

or improperly compiled information, see Scharmer col. 1, lines 54-63. Therefor claim 1

remains rejected.

20.   Applicant's arguments filed 17 February 2004 have been fully considered but

they are not persuasive. In response to applicant's arguments on pages 15, that

Independent Claims 6 and 11 are apparatus and computer program product claims

respectively corresponding to method Claim 1, and are believed to be patentable over

those references for at least the same reasons as discussed above in connection with

Claim 1. The examiner disagrees, since claim 1 is remain rejected, therefor Claims 6

and 11 are apparatus and computer program product, in which performance the method

of claim 1, and are remain rejected as well.

Conclusion

21.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

22.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Quoc A. Tran whose telephone number is (703) 305-

8781. The examiner can normally be reached on Monday through Friday from 8:30AM

to 5:30PM.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Joseph H. Feild can be reached on (703) 305-9792. The fax phone number

for the organization where this application or proceeding is assigned is (703) 872-9306.

        Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Quoc A. Tran
Patent Examiner
Technology Center 2176
March, 8 2004

JOSEPH FEILD
SUPERVISORY PATENT EXAMINER